

19971211.ba v01_n828.bam.971211

>From ???@??? Fri Dec 12 00:14:31 1997
Message-Id: <199712112258.QAA02701@sco.theporch.com>
Date: Thu, 11 Dec 1997 16:58:02 CST
Subject: BOATANCHORS digest 1828

BOATANCHORS Digest 1828

Topics covered in this issue include:

- 1) NC300/303 paint
by L & M <toneri@ils.net>
- 2) Re: Tube testers -
by Dexter Francis <cwest@xmission.com>
- 3) Motorola radio help
by Bob Roach <KE4QOK@worldnet.att.net>
- 4) Re: Upmarket cleansing fluid
by Bill Jarvis <B.H.Jarvis@hw.ac.uk>
- 5) FS or Trade: Heathkit OL-1 Oscilloscope
by "N. West" <ninaw@u.washington.edu>
- 6) fs: tube socket adapters
by tom.daley@teabbs.com (Tom Daley)
- 7) Re: GE Phasitron
by John Ward <ke2st@frontiernet.net>
- 8) fs: tube tester socket adapters
by tom.daley@teabbs.com (Tom Daley)
- 9) Reciprocating detectors
by MNHopkins <MNHopkins@aol.com>
- 10) BA Service Advice
by Dick Dillman <ddillman@igc.apc.org>
- 11) DX Rigs For Postage Alert!!!
by ARONGV@aol.com
- 12) Need Thunderbolt low voltage transformer
by "Andy Howard, WA4KCY" <sweetbay@compuserve.com>
- 13) Speakers Needed
by ARONGV@aol.com
- 14) R-390A audio
by Kevin Gallagher <wire2liv@gomontana.com>
- 15) Re: Moody; A CIA front?
by Ho4bart <Ho4bart@aol.com>
- 16) Sticking allen screws
by Bill Risch <brisch@skypoint.com>
- 17) FS: desktop rack
by Avery Comarow <acomarow@USNEWS.COM>
- 18) The 807, was Re: audiopheeeeeel tubes
by "Roberta J. Barmore" <rbarmore@indy.net>
- 19) Re: GE Phasitron

- by "A. B. Bonds" <ab@vuse.vanderbilt.edu>
- 20) correct elements
by Jay Coward <jayc@hpcmr42.sj.hp.com>
- 21) IGOR
by JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 22) AN/PRS-1 Direction Finder
by arc5@ix.netcom.com
- 23) HQ-150 restoration
by Bill Risch <brisch@skypoint.com>
- 24) re Free for post offer
by BEN NOCK <G4BXD@compuserve.com>
- 25) The QCWA repro logs
by "Roberta J. Barmore" <rbarmore@indy.net>
- 26) Argumentative E-Mail
by "Larry W6WUH" <rau@wco.com>
- 27) Orig. Packing for 30S-1????
by Eugene Rippen <soundval@foothill.net>
- 28) Re: Tube testers -
by bill@skeeter.bvc.frco.com (William Hawkins)
- 29) RHZ Receivers
by Don <71333.144@compuserve.com>
- 30) Musicians' Slide Rule
by Bill Jarvis <B.H.Jarvis@hw.ac.uk>
- 31) Re: Tube testers -economics
by Bill Jarvis <B.H.Jarvis@hw.ac.uk>

Date: Wed, 10 Dec 1997 19:26:59 -0500 (GMT-0500)
From: L & M <toneri@ils.net>
To: boatanchors@theporch.com
Subject: NC300/303 paint
Message-ID: <199712110026.TAA24505@server1.ils.net>

I finally decided to have a go at cleaning up and repainting the cabinet of an NC303 I acquired last year. This receiver had been stored in a damp basement for many years and had Coke or beer spilled into it as well so you can imagine what the inside of the cabinet looked like. Rust was everywhere and the black wrinkle paint totally ruined. There were scrapes and rust on the outside of the cabinet also but I beleived it was salvageable with most of the original wrinkle finis intact. I used a wire brush and sandpaper to clean 90 percent or the rusted areas inside the cabinet and sandpaper to smooth out the edges of the chipped paint and rusted areas of the outside of the cabinet. So far so good. Now for the paint. At our local Canadian Tire store (sort of like Pep Boys and WalMart rolled into one) I found a flat black spray paint that was a perfect match (not wrinkle finish paint) and a grey, gloss finish spray paint that was a very close match. The black paint did a beautiful job and even on the wrinkle finish on the outside of the

cabinet it made it look like new. Likewise the grey did a beautiful job on the wrinkle finish and the chipped areas. At the start of the project the cabinet would probably have rated a 2 on a scale of 10, now it would be an 8 or possibly a 9. Thank goodness the front panel of this receiver was not damaged by the poor storage. The paint that I used is called Armor Coat Mist Grey and Armor Coat Flat Black. Cost about \$4 a can. Needless to say, the NC303 is now back in the shack and looking real pretty.

73...Mike VE3FGU

Mike & Lynda Toneri E-mail: toneri@ils.net

Keswick, Ontario

WEBPAGE: <http://www.geocities.com/heartland/meadows/8218>

Date: Wed, 10 Dec 1997 17:43:56 -0700

From: Dexter Francis <cwest@xmission.com>

To: Morris Odell <morriso@vifp.monash.edu.au>

Cc: boatanchors@sco.theporch.com

Subject: Re: Tube testers -

Message-ID: <348F374A.2558@xmission.com>

Morris asked: "Even better, why not just plug the tube into the RF circuit in question and see if it works?"

And a very good question it is too. The thing I neglected to mention was that I assume (alert!) that most folks don't have multiple spares on the shelf for every tube they need. In addition I (who do have the spares, so to speak) probably don't have the radio which you are working on, so I do the next best thing - I test the tube on the Hickock before I send it out.

-df

Need to Buy or Sell Tubes, Parts or BA Gear?

Visit our Web site at <http://www.xmission.com/~cwest/>

e-mail to: tubes@usa.net -or- cwest@xmission.com

P.O. Box 22443, Salt Lake City, Utah 84122

Date: Thu, 11 Dec 1997 02:47:31 +0000

From: Bob Roach <KE4QOK@worldnet.att.net>

To: boatanchors@theporch.com

Subject: Motorola radio help

Message-ID: <19971211024721.AAB19462@LOCALNAME>

Does anyone know of a website or other source of information on motrac radios?

TNX in advance

Bob

Date: Thr, 11 Dec 1997 02:55:14 +2400
From: Bill Jarvis <B.H.Jarvis@hw.ac.uk>
To: herbrose <herbrose@lobo.net>
Cc: boatanchors <boatanchors@theporch.com>
Subject: Re: Upmarket cleansing fluid
Message-ID: <199712110255.CAA28219@punt1.hw.ac.uk>

On 1997-12-10 herbrose@lobo.net said:

he>X-Mailer: Mozilla 3.01-C-MACOS8 (Macintosh; I; PPC)
he>X-Listprocessor-Version: 8.1 -- ListProcessor(tm) by CREN
he>Status:
he>Thanks to all of you for your speedy and intelligent responses..
he>probably 12-15 responses.
he>I'll study them all, select one, and report back.
he>Happy Holidays,
he>Herb Rosenthal W5AN
he>PS..One reply was to use Wild Turkey..or was it Jim Beam?? Might
he>work.

May I be forgiven for suggesting Dew of Ben Alder? Easily obtainable IF
you know where; and NOT in the "Silly Prices" list.

UN de gm8apx

Bill, aka maestro@cix.co.uk. Tel/fax/msg [44 or 0] 131 336 4502
GM8APX, qthr=No 6, EH4 6JY==Cave felem==No Rectangulars=Ikke Hawkering

Si vales, bene est

Net-Tamer V 1.10 - Registered

Date: Wed, 10 Dec 1997 20:23:56 -0800 (PST)
From: "N. West" <ninaw@u.washington.edu>
To: boatanchors@sco.theporch.com
Subject: FS or Trade: Heathkit OL-1 Oscilloscope

Message-ID: <Pine.A41.3.96a.971210200939.64762A-100000@dante28.u.washington.edu>

This is in very good shape cosmetically and works probably about as good as it did new, except that the power transformer gets hot and a little smelly after 10 minutes. (It might have done that new as well) It is completely original except for the HV cap I replaced with a bathtub unit from an OS-8. Tubes: one 6X4, one 1V4, five 12AU7, and one JAN CPU-3GP1. Circuitry is well soldered on a PCB.

Is this the first oscilloscope that heath offered? I am looking for other test equipment in trade, such as BNC adapters and patch cords, Clough Brengle, Tektronix plugins or manuals, whatever.

Fred Powell
c/o
ninaw@u.washington.edu

Date: Mon, 08 Dec 1997 18:30:30 GMT
From: tom.daley@teabbs.com (Tom Daley)
To: boatanchors@theporch.com
Subject: fs: tube socket adapters
Message-ID: <881605830@teabbs.com>

hello all i have the following tube tester socket adapters for sale or trade. they are 2 types and they will be offered as pairs. the first adapter is brown bakelite (sp) 7 pin with 2 sheilded pig tails with rubber covered flat "aligator style" clips that go the plate caps. these appear to be for 829/5894/ax-9903 style tubes. they covert above to 8 pin octal plug. only markings found "centronix inc". the other adapter looks like its for 2c39 style coaxial socket style tubes. it has 4 contacts (fat center pin, a 3 concentric contacts that rise in height as they move from the center). these are also brown bakelite and converts above to 8 pin octal plug. the only markings on them is "forway ind" and "b-276"

they look electrically in good shape however they are untested. some have scratches etc in the bakelite. i could not confirm that they are actually used for above purpose. i did not have any 829 or 2c39 tubes to try ! i have no docs ! they are sold as-is ! buyer beware applies here ! \$20 each pair shipped ups conus.

thanks 73 tom

Date: Wed, 10 Dec 1997 22:17:57 -0500
From: John Ward <ke2st@frontiernet.net>
To: boatanchors@theporch.com
Subject: Re: GE Phasitron
Message-ID: <v03102803b0b4baa9a996@[209.130.131.232]>

Bill Jarvis wrote:

>>In the mid '60s, Ferranti re-introduced a (very low power) magnetron
>>specifically for schools to do e/m measurements...The anode was
>>concentric and I THINK the filament-anode distance was 1 cm, anode (and
>>filament) length being 5 cm...All in the name of easy calculations
>>because we all used Slide Rules in those days.<<
<snip>

>GOSUB. I meant to mention the jiffy: the time for an electron to travel
>1 cm in a given thermionic valve. It varied. We "modelled" potential
>gradients in valves under development by stretching rubber sheet over
>wooden pegs, then rolling marbles around. Kinky.
>
>RETURN.

Kinky, perhaps, but very useful. I once read that one of the major tube
makers, GE I think, did extensive modeling using this method; rings and
pegs are used to simulate different element geometries, and gravity
represents voltage. It works.

>
Re your question about Phase modulation/ FM, I'll leave that to somebody
who's got their slide rule handy, but (guessing) I think your answer is
"Yes".

>As the Speak-Your-Weight machine said to Neddie Seagoon, "Gerrim orfff!"

Slightly off-topic: Which one of those guys did the voice of "The Famous
Eccles"?

73,

John, KE2ST

Date: Thu, 11 Dec 1997 05:22:15 GMT
From: tom.daley@teabbs.com (Tom Daley)
To: boatanchors@theporch.com
Subject: fs: tube tester socket adapters
Message-ID: <881817735@teabbs.com>

hello all i have the following tube tester socket adapters for sale or trade. they are 2 types and they will be offered as pairs. the first adapter is brown bakelite (sp) 7 pin with 2 sheilded pig tails with rubber covered flat "aligator style" clips that go the plate caps. these are for 829/5894/ax-9901/ax-9903 style tubes. they covert above to 8 pin octal plug. only markings found "centronix inc". the other socket adapter is for 2c39 and others with coaxial socket style tubes. it has 4 contacts (fat center pin, a 3 concentric contacts that rise in height as they move from the center). these are also brown bakelite and converts above to 8 pin octal plug. the only markings on them is "forway ind" and "b-276"

they look electrically in good shape however they are untested. some have scratches etc in the bakelite. i have no docs !
\$20 each pair shipped ups conus.

thanks 73 tom

ps was told used with tv2, tv7 and other military tube testers

Date: Thu, 11 Dec 1997 00:14:58 EST
From: MNHopkins <MNHopkins@aol.com>
To: QRP-L@lehigh.edu
Cc: Boatanchors@theporch.com
Subject: Reciprocating detectors
Message-ID: <872b3ba3.348f7778@aol.com>

Those seeking a citation on the Reciprocating Detector might try:

"Reciprocating Detector Converter," Olberg, S. (W1SNN), Ham Radio, Sep., 1974
p 58.

the author cites his two other works:

"Reciprocating Detector," Ham Radio Mar. 1972, p 32.

"Vari-Q Filter," Ham Radio, Sep., 1973, p 62

Anyone mastering this material is cheerfully invited to explain it to me.

73 de ab5L, michael in dallas, student of Tecraft and International (ICM) ham products and mementoes of Six Meters' Golden Age: 1957-58

Michael Hopkins

Box 226841

Dallas, TX 75222 MNHopkins@AOL.com

Date: Wed, 10 Dec 1997 21:29:58 -0800 (PST)
From: Dick Dillman <ddillman@igc.apc.org>
To: boatanchors@theporch.com, boatanchors@listserv.tempe.gov
Subject: BA Service Advice
Message-ID: <2.2.16.19971210212836.473ff70c@pop.igc.org>

Greetings, fellow enthusiasts. I'm looking for advice on a place to send some of my BA receivers for service - everything from the correction of a particular problem to a complete restoration. The receivers include the SP-600, HRO-50, etc. I wonder if anyone has had experience, pro or con, with any of the gentlemen listed below, culled from ER and QST, or if there's someone I should know about who's not on the list (I already have a SX-28 awaiting restoration at Antique Radio Restoration 7 Repair).

Barney Wooters, Denver, CO

Jim Rupe, Western Amateur Radio Repair, Grayland, WA

Steve Trimble, Weston, TX

Keith Zarin, Manassas, VA

Thanks,

Dick

Dick Dillman
<ddillman@igc.apc.org>
WPE2VT W6AWO
Collector Of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

Date: Thu, 11 Dec 1997 00:35:36 -0500 (EST)
From: ARONGV@aol.com
To: boatanchors@theporch.com
Subject: DX Rigs For Postage Alert!!!
Message-ID: <971211003536_544100921@mrin53.mx>

Hi Gang:

To respond to all DX areas at once, consider yourself in the district based on the number in your call sign. For example, a VK4 would be in the 4th call district, an EA3 in the third district, etc.

Never guessed so many DX ops would get involved but ALL members of the boatanchors@thePorch.com are welcome.

I've toyed with the idea of getting a few other people into this so the amount of gear propping doors open, holding down basements and used as steps to the top shelves in the basement can get a second chance at life where someone yearns for a decent project.

If any are so inclined, meet me off the list at ARONGV@aol.com to discuss the way to make it fair and to make it work.

73s & Good Hunting!

Ron W00IZ

Date: Thu, 11 Dec 1997 00:08:37 -0500
From: "Andy Howard, WA4KCY" <sweetbay@compuserve.com>
To: "LIST, POST BOATANCHORS" <BOATANCHORS@theporch.com>,
"LIST, POST HALLICRAFTERS" <hallicrafters@qth.net>,
Subject: Need Thunderbolt low voltage transformer
Message-ID: <199712110008_MC2-2B87-FFDF@compuserve.com>

Hello and Merry Christmas to all. I am in need of a low voltage transformer for a Thunderbolt linear. This supplies screen, bias, and low voltage rectifier voltages.

Thanks and 73,

~~~~~  
Andrew E. (Andy) Howard, Sr., WA4KCY  
105 Sweet Bay Lane

Carrollton, Georgia 30116-8519  
Telephone 770-832-0202  
AMI #9 - Southeastern Division Director  
<http://ourworld.compuserve.com/homepages/sweetbay>  
<><

~~~~~ =  
Keeper of the Hallicrafters SX-88 Owners List

Date: Thu, 11 Dec 1997 01:28:21 -0500 (EST)
From: ARONGV@aol.com
To: boatanchors@theporch.com
Subject: Speakers Needed
Message-ID: <971211012821_1156177853@mrin53.mx>

Hi Gang:

Getting really tired of listening to my receivers on headsets. Need speakers for my RME 4300 (also matches 4350), NC-183D and HQ-170.

Willing to pay fair price for nice speakers, but I also have for trade for any of the above a really nice speaker that matches the NC-300/303.

Ron W00IZ

Date: Wed, 10 Dec 1997 23:27:04 -0700
From: Kevin Gallagher <wire2liv@gomontana.com>
To: boatanchors@sco.theporch.com
Subject: R-390A audio
Message-ID: <348F87B8.76A9@gomontana.com>

Gentlemen, I have an R-390 made by Motorola that has a problem with the audio. I have loads of audio with the BFO on but it drops to about nil with the BFO off. The receiver therefore works great on SSB but you have to be on a very strong station to hear anything on AM, and then only with headphones. Any ideas where I should start to look for my missing audio. Thanks for your help, Kevin wpe0evo

Date: Thu, 11 Dec 1997 03:59:58 EST
From: Ho4bart <Ho4bart@aol.com>
To: boatanchors@theporch.com
Subject: Re: Moody; A CIA front?

Message-ID: <3fffd0c5d.348fab90@aol.com>

Thomas A. Adams wrote:

"As I think of it tho, with all those antennas up on almost a city block of roof, I can't think of one time I ever worked 'em on 40 or 20 metres.....or even heard them on the air, for that matter....."

it may be that the 'CIA connection' mention is in jest....if not let me say i think this might kinda be pushing the old conspiracy theory bizness. i don't think the CIA or their clients cared too much about what the Yanomama tribe up at the headwaters of the Amazon was up to. this low power CW & AM gear of course was for missionary station nets, like for arranging resupply, medical advice and such. there wouldn't be reason to communicate with the Institute itself, except maybe for practice, as the phone lines serve that address pretty well.

'Mission communications' is a category i really hadn't thot about much but it appears to have the basic ingredients of classic BA adventure - low powered classic toob equipment in remote exotic locations, sort of a continuous field day.

i saw a photo in an old CQ of a missionary in New Guinea with a USArmy field radio and handcranked generator, supposedly he operated the thing himself while talking to the other end. judging from my short experience cranking one of those things under load, this missionary was truly "a godly man".

hue miller

Date: Thu, 11 Dec 1997 08:10:26 -0600 (CST)
From: Bill Risch <brisch@skypoint.com>
To: boatanchors@theporch.com
Subject: Sticking allen screws
Message-ID: <1.5.4.16.19971211080854.270feca4@popmail.skypoint.com>

Good day everyone,

I have a problem trying to get some knobs off a HQ-150, The knobs use allen head set screws and two of them are stuck. When they were installed they were really torqued down and I can't get them to move. I have let them soak in penetrating oil overnight but no luck. They were just put on so tight that my allen wrench is bending and won't budge them. Any suggestions?
I think this was discussed before but I lost the thread of responses. Any help will be apreciated

Also, anyone have a junker HQ-150 I can get some parts from?

Bill K0QK
brisch@skypoint.com

Date: Thu, 11 Dec 1997 08:39:33 -0600 (CST)
From: Avery Comarow <acomarow@USNEWS.COM>
To: boatanchors@theporch.com
Subject: FS: desktop rack
Message-ID: <199712111439.IAA22671@sco.theporch.com>

This sloping desktop rack unit is 25-1/4" H and 12" D at the base, narrowing to 2-3/4" D at the top. Standard rackmount width. Flat black, in very nice condition with the usual few scrapes and a couple of minor rust spots.

Even a desktop unit like this is heavy, guys, and I don't wanna ship. I'm in Maryland, right outside Washington, D.C.

Tell me what's fair. \$50? A mint NC-183-D or HR0-60 with full coil set?

Avery W40GK

Date: Thu, 11 Dec 1997 09:43:55 -0500 (EST)
From: "Roberta J. Barmore" <rbarmore@indy.net>
To: Jack Antonio <dia@dia.reno.nv.us>
Cc: BA <boatanchors@sco.ThePorch.com>
Subject: The 807, was Re: audiopheeeeeel tubes
Message-ID: <Pine.SUN.3.96.971211092223.5193A-1000000@indy3>

Hi!

Well, several people replied, asking after what got changed in the 807 during WW II to make it a tube that usually required neutralizaion, and many offered interesting ideas.

But Jack Antonio had the right answer--and got it from a source different to mine!

The original 807 had pretty substantial internal shielding. In most cases, all it took was to drop it below the chassis (or extend a shield up) to the level of the base of the plate structure to make it well-behaved. But to make that version of the tube took a fair amount of hand-assembly, and the war effort needed a *lot* of 807s and offspring.

Per Jack's sources, the big change was made when the Navy needed a 12V

807, and RCA came up with the 1625, which was designed for minimum handwork and big production--and when installed in the transmitter (originally designed around an 807) it was to be used in, took neutralization & serious parasitic suppression due to the changes in internal design.

The simpler internals were adopted for all 807, 1625, etc. withal--would seem it was more efficient to debug the rigs that used 'em as-needed than use a tube that took longer (and more skill) to build. (This does make sense and like so much wartime technology, is a clever use of limited resources of skilled workers: tube-building's something of an art, a manual skill that takes time to learn. De-lousing a rig only needs done once!)

After the war, they never went back to the original construction. So the 807 is less tame than it once was.

I got the info from Pat Hawker & Bill Orr; Jack got similar knowledge in researching a WW II transmitter.

Half-points to the several listmembers who suggested TVI as a cause. Not directly--but it made hams a *lot* more aware of spurious grunge and the "807s that don't act like the used to" came along in an unfortunate bit of synchronicity. And the "inspired guess" award goes to the fellow who suggested the better solar-cylce position of the postwar years brought about greater use of 10 (and eventually 15) meters; 'strewth but hams are an ornrey lot and were on 10 even when the sunspots weren't helping!

73,
--Bobbi

Date: 11 Dec 1997 09:11:09 -0600
From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>
To: boatanchors@sco.theporch.com
Subject: Re: GE Phasitron
Message-ID: <1997Dec11.091112-0600@spike.vuse.vanderbilt.edu>

In <v03102803b0b4baa9a996@[209.130.131.232]>, John Ward wrote:

>>As the Speak-Your-Weight machine said to Neddie Seagoon, "Gerrim orfff!"
>

>Slightly off-topic: Which one of those guys did the voice of "The Famous
>Eccles"?

>
Grossly off topic, Spike Milligan played Idiot Eccles.

"I like licorice. Me mum says it goves you a good run for your

money."

"Stand by to repel boarders!"

"How do you do that?"

"Don't change the bed linen!"

Ob BA content: The Goon Show was on the radio. BBC.

A. B. Bonds

Date: Thu, 11 Dec 97 8:06:09 PST
From: Jay Coward <jayc@hpcmrd42.sj.hp.com>
To: boatanchors@theporch.com
Cc: jayc@hpcmrd42.sj.hp.com
Subject: correct elements
Message-ID: <9712111606.AA27602@hpcmrd42.sj.hp.com>

Greetings to the group,

Do any of the military collectors know which are the correct headset elements to use in the AN-H-15 summer flying helmet? I just aquired one in very good unused condition but minus the elements.I have both a set of R-14's and ANB-H-1's and the cord with the bailout plug.Also,how does one install the elements? The rubber ear cups seem very stiff.Is there a preservative that would be ok to use on the khaki cloth material? I'd like to ensure this one lasts a long time.

Thanks,

73 Jay

Date: Thu, 11 Dec 1997 11:30:56 -0500 (EST)
From: JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
To: boatanchors@theporch.com
Subject: IGOR
Message-ID: <9712111130.aa21252@pcusa01.ecunet.org>

To: boatanchors@theporch.com

Practically all of the test equip in my shack is BA stuff. Yes, it's really needed to do *authentic*(!) work on other BA's. VTVMs, VOM, toob testers, sig gens (AF & RF, sweep & otherwise), distortion analyzers, cap checker, panadaptor, etc.

All kidding aside, I find BA test gear (fixing & using) to be as much fun

as BA radios. Once again for me (fixing + maintaining) = learning.

Only ss stuff here is an old, built-from-kit (doesn't that count for something?) Ramsey freq counter & a Heath antenna noise bridge.

Have 2 DuMont 304 o'scopes, they're pretty heavy. Work excellently & fun to use & impressive on the bench. And 3 toob testers with enfu knobs to impress the local Boy Scout troop when they come in to see/use electronic stuff for a merit badge.

Although not test gear, my two 6' high racks stuffed with Motorola VHF-FM toob gear (6 complete stations for 10 & 6m FM) always gets a lot of attention.

-John Sehring (Wed, Dec 10, 1997 12:49 pm MT @Baker, Montana) UCC WB2EQG

Date: Thu, 11 Dec 1997 10:33:35 -0600 (CST)

From: arc5@ix.netcom.com

To: boatanchors@sco.theporch.com

Subject: AN/PRS-1 Direction Finder

Message-ID: <19971211103258528145@>

Does anyone know anything about the AN/PRS-1

VHF Direction Finding set.

WW-II issue portable.

Thanks,

Dave AB5S

arc5@ix.netcom.com

Date: Thu, 11 Dec 1997 12:12:59 -0600 (CST)

From: Bill Risch <brisch@skypoint.com>

To: boatanchors@theporch.com

Subject: HQ-150 restoration

Message-ID: <1.5.4.16.19971211121136.270f5464@popmail.skypoint.com>

I am back with another restoration project, this time a HQ-150.

I need the following parts or a junker chassis, whatever is available.

Need:

Z5 BFO assembly (complete can and parts inside if possible)
 part # 26105-G1

S2 Man-AVC-BFO switch assembly.
 part # 15864-2

It looked bad when I first got it but it is beginning to clean up and the underchassis is very clean. It was stored so that water (or something) dripped into the top. the cabinet got the worst of it. (Needs complete repainting).

Thanks all
Bill K0QK
brisch@skypoint.com

Date: Thu, 11 Dec 1997 13:04:41 -0500
From: BEN NOCK <G4BXD@compuserve.com>
To: Multiple recipients of l <boatanchors@sco.theporch.com>
Subject: re Free for post offer
Message-ID: <199712111304_MC2-2B9F-2726@compuserve.com>

Dear Ron, W00IZ, 10701 W. 54th Street, Shawnee, Kansas 66203
ARONGV@aol.com

>Last year's fun for postage was nearly a fiasco on my part. My log was
>jammed. So I have what I think is a better idea this year. I'm gonna work
it
>like a rare DX station (Yuk!) and list specific things available *ONLY* =
to
>specific call areas.

Oh dear. What about all the members, paid up, who are not in
a W/K call area ?

No Santa for them I guess. :-(

Ben, G call area.

Date: Thu, 11 Dec 1997 13:30:45 -0500 (EST)
From: "Roberta J. Barmore" <rbarmore@indy.net>
To: BA <boatanchors@sco.ThePorch.com>
Subject: The QCWA repro logs
Message-ID: <Pine.SUN.3.96.971211132419.16084D-100000@indy2>

Hi, Gang!

Just learned the ham responsible for rescuing the 1936 log QCWA sells copies of it right here in our midst! --And the log was assembled from bits of blanks left in logs used by an SK friend; a section here and a portion there, very tedious work indeed.

I won't turn the spotlight on him (he can if he'd like), though I will add the same gent has done some other very fine things for the boatanchoring hobby. But I would ask that folks take just a minute or two to send a mental "attaboy" to him! :)

It's pretty miraculous to be able to use the precise log hams were buying from ARRL (and filling up!) in 1936 when you stop to think about it.

73,
--Bobbi

Date: Thu, 11 Dec 1997 12:12:38 -0800
From: "Larry W6WUH" <rau@wco.com>
To: "boatanchors" <boatanchors@theporch.com>
Subject: Argumentative E-Mail
Message-ID: <199712112013.MAA06617@shell.wco.com>

I have been getting a bunch of unpleasant and argumentative email.
>From people who have mistaken me for some one who cares.
Mostly... I just don't.
So Just don't send it.

Thank you.
Larry W6WUH

Date: Thu, 11 Dec 1997 14:13:37 -0800
From: Eugene Rippen <soundval@foothill.net>
To: boatanchors@theporch.com
Subject: Orig. Packing for 30S-1????
Message-ID: <34906591.B94@foothill.net>

Does anyone out there remember how
the Collins 30S-1 linear was packed for
shipping.
Was the top part removed?
Was any transformer removed.
Was in in a wooden crate?

This should probably be answered only by direct email to me. It has very limited general interest.

Gene

Date: Thu, 11 Dec 1997 15:29:42 -0600
From: bill@skeeter.bvc.frco.com (William Hawkins)
To: boatanchors@theporch.com, cwest@xmission.com
Subject: Re: Tube testers -
Message-ID: <9712112129.AA12578@skeeter.bvc.frco.com>

Seems to me the thing that's needed from most tubes (not diodes) is gain. That's what makes an amplifier amplify and an oscillator keep oscillating as frequency goes up. But gain is a function of the way the tube is built (geometry of electrodes) and the applied voltages and load impedances. So you can't change the gain of the tube except by damaging (deforming) it. Unless there's few or no electrons moving from cathode to plate. There's gotta be enough electrons available at the cathode to get the current flow in the load that the circuit requires. If the cathode can emit more than that, that's just safety factor.

So why doesn't an emission test (along with gas and shorts) tell me all I need to know about a tube? Is there enough variation in geometry of a 6C4 to require selecting tubes as frequency goes up? (The 6C4 is notorious for failing to oscillate at high frequencies.) Seems to me I should be able to rely on a minimum emission test unless the circuit design is marginal.

Where did I go wrong? (about tubes, that is)

Regards,
Bill Hawkins

Date: Thu, 11 Dec 1997 16:58:49 -0500
From: Don <71333.144@compuserve.com>
To: boatanchors <boatanchors@theporch.com>
Subject: RHZ Receivers
Message-ID: <199712111701_MC2-2BA4-84F3@compuserve.com>

A few days ago, I reported on the RCE receiver that I got from Dave Stinson. I mentioned that it was accompanied by 2 "RHZ" types that I hadn't gotten into yet. Here's a brief update on those two.

The RHZ radios are 3.5" high black wrinkle rackmount jobs with heavy solid copper or copper-plated steel panels and top/bottom covers. The tubes all mount horizontally and face the rear. The tags say

HF Fixed Tuned Receiver
Made For
Department of Commerce
Civil Aeronautics Administration
Type RHZ Contract Cca-23276
Serial No 1C48
Communication Equipment Corporation
Pasadena California USA

The RHZ has a National look to it with the black wrinkle and genuine National knobs. But the transformers are made by "Peerless," there are few other National parts in the radios and the tube lineup doesn't correspond with any National design I am familiar with. So I doubt if National had any role in design or construction of the RHZ.

These sets are fixed-tuned to a single crystal controlled channel. One is on 3105kc while the other is at 3117.5kc. The crystals have the Edison brand name on them--a new one on me. There are very few controls. Toggles are power on/off, CONS on/off and SPKR/PHONES (CONS is an AM squelch feature). The only two pots are SENSITIVITY and AF GAIN. Thats it.

The tube lineup is 80, 6V6, 6SL7GT (all glass) and 6H6, 6SJ7, 6K8 and 4-6K7 (all metal).

The radios cleaned up very nicely. I am going to put one on 3885 and the other on the colorburst frequency. But these will need retuned and I'll have a lot of tracing to do unless someone can come up with a manual or schematic (hint, hint...).

Has anyone ever seen one of these, seen them mentioned in the press anywhere, or seen any literature on them at all? Any help--even psychic help--appreciated.

Happy Holidays to all!

73, Don

Date: Thr, 11 Dec 1997 22:53:32 +2400
From: Bill Jarvis <B.H.Jarvis@hw.ac.uk>
To: boatanchors <boatanchors@theporch.com>
Cc: rod <rod@scotnet.co.uk>, george <george@scotnet.co.uk>,

greid <greid@easynet.co.uk>
Subject: Musicians' Slide Rule
Message-ID: <199712112253.WAA11328@punt1.hw.ac.uk>

Yes, It HAS to exist already: a slide rule with n , n^2 , n^3 , ..., n^{11} marks on it, where n = twelfth root of 2.

Marked C to C', of course. Then whatever key you want to be in, all the other markers tell you (to 3 sig figs at worst) the frequencies of the other notes in the chromatic scale.

Too easy with electronic calculators of course; but SOMEONE must have thought of it since the slide rule was first invented.

If anyone actually HAS such an item, I'd take it off your hands for a small fee.

UN de gm8apx

Bill, aka maestro@cix.co.uk. Tel/fax/msg [44 or 0] 131 336 4502
GM8APX, qthr=No 6, EH4 6JY==Cave felem==No Rectangulars=Ikke Hawkering

Memoria minuitur, nisi eam exerceas

Net-Tamer V 1.10 - Registered

Date: Thr, 11 Dec 1997 22:53:26 +2400
From: Bill Jarvis <B.H.Jarvis@hw.ac.uk>
To: bill <bill@skeeter.bvc.frco.com>
Cc: boatanchors <boatanchors@theporch.com>
Subject: Re: Tube testers -economics
Message-ID: <199712112253.WAA11325@punt1.hw.ac.uk>

You are quite right. Take for example (if I may be forgiven) the transistor BC107. With the 108 and 109 it used to be mass produced. Ones which happened to come out above av were labelled and priced accordingly, so they COULD all have been labelled with the least demanding label.

But HUNDREDS more type numbers appear and it's STILL the same design spec. - Why? Because maybe 6 manufacturers of end products all want 100,000 of them but Bloggs Inc want slightly tighter specs than Spluddo PLC. So Both companies get BC108s but they have been selected from the one production line; also giving them seemingly unrealted type numbers

helps keep servicing (of the end product) "in house".

So you can easily find a page listing 64 slightly different transistors with 64 different type numbers.

As time passes, the older type numbers (less strict) get dropped because production techniques improve.

Accordingly, it looks as though certain "hard to find" types are no longer made.

The same was true of valves, although smaller margins, and smaller numbers of variations.

And that's not even to mention different makers trying to make a plug-in replacement for another maker's valve.

With transistors nowadays I NEVER bother to find an exact replacement (expect in very rare RF circuits which have little or no negative feedback for stability).

I also replace PX25s with 807s strapped as triodes, and I doubt whether electrical measurements would reveal any difference. (OK, PX25s ask for 4 V AC at 2 A - but even an 807 under-run seems to make a highly satisfactory substitute. And the 4 V winding, called upon to warm a higher resistance, usually ups itself to about 5 V anyway.)

All of which is no good to anyone seeking authenticity when restoring a vintage wireless.

But new Cs hidden in old cans are familiar. Why not silicon recs in a B4 rectifier base?

Remember the red, green, and amber traffic lights controlled by just the two conductors? Calls for some tidy wiring of diodes.

UN de gm8apx

Bill, aka maestro@cix.co.uk. Tel/fax/msg [44 or 0] 131 336 4502
GM8APX, qthr=No 6, EH4 6JY==Cave felem==No Rectangulars=Ikke Hawkering

Possunt quia posse videntur

Net-Tamer V 1.10 - Registered

End of BOATANCHORS Digest 1828
